

ABSTRACT OF THE DISCLOSURE

A device which seeks to ensure that substantially all the particles delivered avoid interaction with the so-called "starting process". A needleless injection device has a driver chamber arranged, in use, to contain a charge of pressurised gas, a duct section connected to the driver chamber to receive gas therefrom and a closure means for preventing the flow of gas from the driver chamber to the duct section until the closure means is opened. Further, a dose of particles is positioned within the device in the region of the closure means. The device is so constructed and arranged that upon opening of the closure means, a primary shock wave is produced to travel along the duct in a downstream direction so that a substantially quasi-steady gas flow is established in the duct upstream of the primary shock wave, with the dose of particles being substantially wholly entrained in the substantially quasi-steady flow to be accelerated thereby and expelled from the device.